

REMARKS/ARGUMENTS

In this Amendment After Final Under 37 C.F.R. § 1.116 ("First AAF"), Applicant proposes to amend independent claim 8 to substantially incorporate the subject matter of claim 9; amend independent claim 11 to substantially incorporate the subject matter of claim 17; amend independent claim 19 to substantially incorporate the subject matter of claim 20; amend independent claim 26 to substantially incorporate the subject matter of claim 28; amend claim 27 to recite, inter alia, "wherein at least one value from the first mux is input to the modulus AND gate"; amend claim 29 to change its dependency and to recite, inter alia, "wherein the second mux and the third mux are 8:1 muxs"; amend independent claim 30 to substantially incorporate the subject matter of claim 36; and amend claim 53 to recite, inter alia, "wherein the means for synchronizing includes a Booth AND gate and a modulus AND gate"; all in order to better define the claimed invention. Applicant also proposes to cancel, without prejudice or disclaimer, claims 9, 17, 20, 28, and 36.

Prior to entry of the First AAF, claims 8-53 were pending in the application. After entry of the First AAF, claims 8, 10-16, 18, 19, 21-27, 29-35, and 37-53 are pending in the application.

In the FOA, the Examiner rejected claims 8, 11-16, 19, 21, 26, 30-35, 38, and 53 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 4,646,257 to Essig et al. ("Essig"); and rejected claims 22 and 23 under

35 U.S.C. § 103(a) as being unpatentable over Essig in view of U.S. Patent No. 5,790,874 to Takano et al. ("Takano").

The Examiner also stated that claims 9, 10, 17, 18, 20, 24, 25, 27-29, 36, and 37 would be allowable if rewritten in independent form to include all of the limitations of the base claim and any intervening claims. Applicant gratefully acknowledges the Examiner's statement that claims 9, 10, 17, 18, 20, 24, 25, 27-29, 36, and 37 would be allowable.

Entry of First AAF

Applicant submits that the amendments to claims 8, 11, 19, 26, 27, 29, 30, and 53, and the cancellation, without prejudice or disclaimer, of claims 9, 17, 20, 28, and 36, do not raise new issues that would require further consideration and/or search, and do not raise the issue of new matter. Additionally, Applicant submits that the amendments to claims 8, 11, 19, 26, 27, 29, 30, and 53, and the cancellation, without prejudice or disclaimer, of claims 9, 17, 20, 28, and 36, place the application in better form for appeal by materially reducing or simplifying the issues for appeal. Therefore, Applicant submits that the First AAF should be entered and considered by the Examiner.

Incorporation of Previous Arguments by Reference

In addition to the arguments presented below, Applicant specifically incorporates by reference the arguments made in the Response to Restriction Requirement ("Response") filed on July 31, 2007; the Amendment Under

37 C.F.R. § 1.111 ("First Amend") filed on January 16, 2008; and the Second Amendment Under 37 C.F.R. § 1.111 ("Second Amend") filed on July 28, 2008.

Foreign Priority

As discussed in the First Amend, the Form PTOL-326 in the Office Action mailed on October 18, 2007, did not indicate the complete status of the claim for foreign priority because none of boxes 1, 2, or 3 was checked.

As discussed in the Second Amend, the Form PTOL-326 in the Office Action mailed on April 29, 2008, did not indicate the complete status of the claim for foreign priority because not only was none of boxes '1', '2', or '3' checked, but box '12' and box 'a' were no longer checked either.

Applicant notes that in the Form PTOL-326 in the First FOA—once again—none of boxes '1', '2', or '3' is checked. Thus, the complete status of the claim for foreign priority remains unresolved—even though the Public Patent Application Information Retrieval ("Public PAIR") system clearly indicates receipt (on February 25, 2004) of the certified copy of Korean Patent Application No. 10-2003-0029445, filed on May 9, 2003, in the Korean Intellectual Property Office.

As a result, Applicant reiterates for the second time Applicant's request that the Examiner indicate the complete status of the claim for foreign priority in the next paper mailed by the U.S. Patent and Trademark Office ("USPTO").

Drawings

The Form PTOL-326 in the First FOA does not indicate the complete status of the drawings filed on December 17, 2003, and the drawings filed with the First Amend—because box 10 is not checked.

As a result, Applicant reiterates Applicant's requests that the Examiner indicate the complete status of the drawings in the next paper mailed by the USPTO.

Request for Reconsideration and Allowance

Accordingly, in view of the above amendments and remarks, reconsideration of the rejections and allowance of each of claims 8, 10-16, 18, 19, 21-27, 29-35, and 37-53 in connection with the present application is earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

If necessary, the Director of the USPTO is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; in particular, extension of time fees.

Respectfully submitted,

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By

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